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A Final Report on Dicamba-injured Soybean Acres

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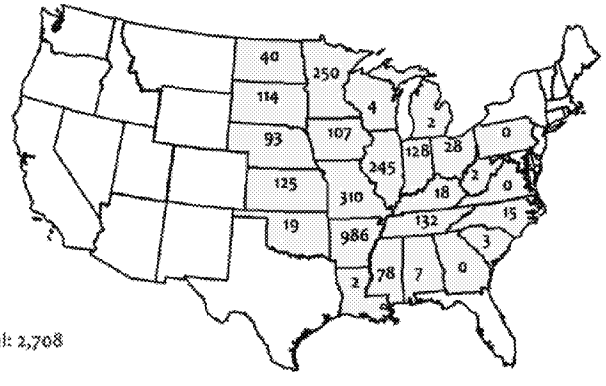
Throughout the summer we have attempted to provide updates as to the extent of dicamba-injured soybean throughout the United States, either in the form of official dicamba-related cases that are currently under investigation by the state Departments of Agriculture, or as estimates of injured acreage from university extension weed scientists (see Ag Industry, Do we have a problem yet? and Update on Dicamba-related Injury Investigations and Estimates of Injured Soybean Acreage). In an attempt to bring some sort of "finality" to this issue for 2017, we requested this information one last time and have compiled this information into the figures below. As shown in Figures 1 and 2, the (hopefully) final numbers indicate that there are 2,708 dicamba-related injury cases currently under investigation by various state departments of agriculture around the U.S., and that there were approximately 3.6 million acres of soybean that were injured by off-site movement of dicamba at some point during 2017. These numbers were up slightly from the August 10th report of 2,242 cases and approximately 3.1 million soybean acres, primarily due to the changes that occurred in some of the northern states like Minnesota, North Dakota, and South Dakota.

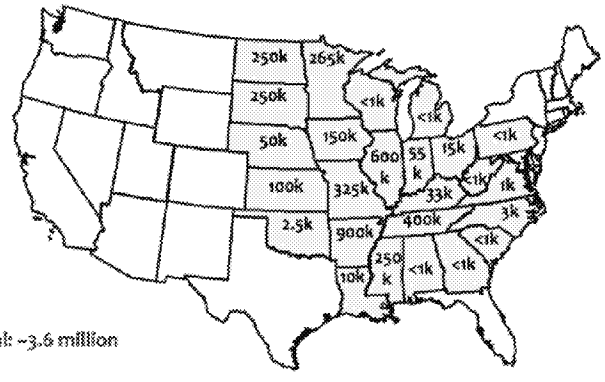
As I'm sure everyone who is familiar with this issue is well aware of by now, several weeks ago the EPA issued new labels for XtendiMax, Engenia, and FeXapan with tighter use restrictions. At this point, many state departments of agriculture are deciding whether or not they will impose any additional state requirements for the use of these products. Needless to say, there is much more that will be discussed on these issues and many more decisions that will be made in the coming weeks and months. Stay tuned.

Figure 1. Official dicamba-related injury investigations as reported by state departments of agriculture (as of October 15, 2017).



*Total: 2,708

Figure 2. Estimates of dicamba-injured soybean acreage as reported by state extension weed scientists (as of October 15, 2017).



*Total: ~3.6 million

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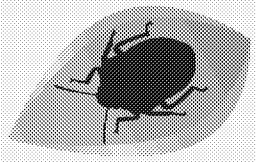

Weather Data for the Week Ending October 31, 2017

Station	County	Weekly Temperature (°F)						Monthly Precipitation (in.)		Growing Degree Days‡	
		Avg. Max.	Avg. Min.	Extreme High	Extreme Low	Mean	Departure from long term avg.	Oct 1-Oct 30	Departure from long term avg.	Accumulated Since Apr. 1	Departure from long term avg.
Corning	Atchison	57	31	75	21	44	-7	3.98	+1.66	3940	+384
St. Joseph	Buchanan	53	33	70	26	43	-8	4.13	+1.43	3897	+371
Brunswick	Carroll	55	32	73	25	44	-7	5.32	+2.45	3992	+453
Albany	Gentry	52	31	67	24	41	-9	5.11	+2.69	3366	+2
Auxvasse	Audrain	54	32	81	24	43	-9	3.42	+0.67	3808	+165
Vandalia	Audrain	53	32	79	24	43	-8	3.33	+0.65	3724	+200
Columbia-Bradford Research and Extension Center	Boone	54	31	79	23	42	-11	3.85	+0.86	3615	-73
Columbia-Capen Park	Boone	58	29	84	20	43	-9	3.98	+0.97	3732	+21
Columbia-Jefferson Farm and Gardens	Boone	55	33	81	24	43	-10	3.82	+0.82	3852	+122
Columbia-Sanborn Field	Boone	55	35	82	27	45	-9	4.23	+1.12	4170	+277
Columbia-South Farms	Boone	54	33	80	25	43	-10	4.00	+0.93	3882	+173
Williamsburg	Callaway	54	30	81	22	42	-10	3.66	+0.41	3573	+15
Novelty	Knox	51	31	72	22	41	-10	6.88	+3.92	3471	+70
Mosow Mills	Lincoln	54	31	79	20	43	-10	2.16	-1.08	3860	+226
Linneus	Linn	52	31	69	24	42	-9	4.78	+2.04	3620	+206
Monroe City	Monroe	53	31	77	22	42	-9	3.38	+0.66	3677	+113
Versailles	Morgan	55	32	79	25	43	-11	5.94	+2.64	3919	+56
Green Ridge	Pettis	55	31	76	24	43	-9	3.90	+0.64	3823	+165
Unionville	Putnam	49	32	65	24	41	-8	3.75	+0.80	3441	+328
Lamar	Barton	57	34	77	27	45	-10	4.34	+1.05	3991	-19
Butler	Bates	55	31	74	24	44	-10	3.98	+0.68	3841	-38
Cook Station	Crawford	59	30	82	19	44	-10	1.87	-1.24	3789	+47
Mount Vernon	Lawrence	57	31	77	21	45	-7	3.28	+0.14	3698	+237
Round Spring	Shannon	60	28	81	19	43	-10	1.63	-1.56	3651	+27
Mountain Grove	Wright	57	31	79	21	44	-9	1.67	-1.54	3669	+22
Delta	Cape Girardeau	56	34	75	29	45	-10	2.70	-0.75	4131	-18
Cardwell	Dunklin	60	34	81	27	47	-10	1.10	-3.00	4454	-114
Clarkton	Dunklin	60	33	81	28	47	-9	1.80	-1.37	4391	-96
Glennonville	Dunklin	60	33	80	26	46	-11	1.80	-1.33	4456	+2
Charleston	Mississippi	58	36	76	33	47	-9	2.52	-0.70	4453	+138
Hayward	Pemiscot	60	36	78	30	47	-10	3.44	-0.36	4498	-36
Portageville	Pemiscot	60	36	80	30	47	-10	2.22	-1.76	4664	+78
Steele	Pemiscot	61	34	81	28	47	-10	1.55	-2.15	4516	-94

‡Growing degree days are calculated by subtracting a 50 degree (Fahrenheit) base temperature from the average daily temperature. Thus, if the average temperature for the day is 75 degrees, then 25 growing degree days will have been accumulated.